

IN THE CLAIMS

1. (Currently Amended) An imaging device, comprising:
 - a processor adapted to compile error information when an error is detected, wherein the error is based on one or more imaging device processes;
 - a print engine coupled to the processor and adapted to produce tangible output images;
 - and
 - a storage device coupled to the processor, wherein the storage device is a computer-usable medium and where the processor is adapted to store in the storage device the error information for two or more errors for one or more of transmission, retrieval, and disposal of the error information based on user criteria;wherein the error information stored by the processor in the storage device is selectable from ~~includes~~ two or more of a location where the error occurred, a type of error detected, a program address where the error occurred, contents of the file being processed when the error occurred, sequence of events that led up to the error, type of file being processed when the error occurred, size of the file being processed when the error occurred, a page number, an error code, and a stack trace.
2. (Original) The imaging device of claim 1, wherein the error information comprises user error information and administrator error information.
3. (Original) The imaging device of claim 1, further comprising a control panel coupled to the processor and adapted to enable access of the error information.
4. (Original) The imaging device of claim 1, further comprising an embedded web server coupled to processor, wherein the embedded web server is adapted to interface between the processor and one or more user-identified addresses.
5. (Currently Amended) The imaging device of claim 2 wherein the processor is adapted to transmit the administrator error information to one or more user designated addresses, where the one or more user designated address are selected from one or more e-mail addresses, web addresses, printer addresses, facsimile addresses, and http addresses ~~the user error information comprises the location where the error occurred and the type of error detected.~~

6. (Currently Amended) The imaging device of claim 2, wherein the user error information comprises the location where the error occurred and the type of error detected and where the administrator error information includes the location where the error occurred, the type of error detected, and one or more of the program address where the error occurred, contents of the file being processed when the error occurred, sequence of events that led up to the error, type of file being processed when the error occurred, size of the file being processed when the error occurred, a page number, an error code, and a stack trace.
7. (Currently Amended) The imaging device of claim 1, wherein the computer-usable medium of the storage device comprises one or more of an SRAM, DRAM, non-volatile memory, register, magnetic media, and optical media.
8. (Currently Amended) A method of error archiving for an imaging device, comprising:
monitoring system operations for the imaging device; and
when an error is detected, compiling information about the error into an error file stored on a storage device of the imaging device for one or more of storage, transmission, retrieval, and disposal;
wherein the storage device is a computer-usable medium;
wherein the information about two or more errors is stored in the error file; and
wherein the information about each error stored on the storage device is configurable and includes two or more of a location where the error occurred, a type of error detected, a program address where the error occurred, contents of the file being processed when the error occurred, sequence of events that led up to the error, type of file being processed when the error occurred, size of the file being processed when the error occurred, and a stack trace.
9. (Currently Amended) The method of claim 8, wherein compiling information about an error into an error file further comprises further comprising:
displaying user error information, wherein the user information is selected from one or more of the location where the error occurred and the type of error detected; and
storing administrator error information, wherein the administrator information is selected from two or more of the location where the error occurred, the type of error detected,

and one or more of the program address where the error occurred, contents of the file being processed when the error occurred, sequence of events that led up to the error, type of file being processed when the error occurred, size of the file being processed when the error occurred, a page number, an error code, and a stack trace.

10. (Currently Amended) The method of claim 8, wherein the computer-usable medium of the storage device comprises one or more of an SRAM, DRAM, non-volatile memory, register, magnetic media, and optical media ~~further comprising, transmitting the compiled error information to an output device.~~
11. (Original) The method of claim 8, further comprising:
transmitting administrator error information to one or more user designated addresses,
wherein the one or more user designated address comprise one or more e-mail
addresses, web addresses, printer addresses, facsimile addresses, and http addresses;
and
wherein the administrator error information includes the location where the error
occurred, the type of error detected, and one or more of the program address where
the error occurred, contents of the file being processed when the error occurred,
sequence of events that led up to the error, type of file being processed when the error
occurred, size of the file being processed when the error occurred, and a stack trace.
12. (Currently Amended) The method of claim 8 ~~claim 9~~, wherein detecting an error further comprises detecting one of a service error, a system operation error, a lack of memory, and an operation cancellation ~~the user error information includes the location where the error occurred and the type of error detected; and wherein the administrator error information includes the location where the error occurred, the type of error detected, and one or more of the program address where the error occurred, contents of the file being processed when the error occurred, sequence of events that led up to the error, type of file being processed when the error occurred, size of the file being processed when the error occurred, and a stack trace.~~
13. (Currently Amended) The method of claim 8, further comprising, diagnosing the error from the error information and determining correction procedures based on the detected error.

14. (Currently Amended) The method of claim 8, further comprising selectively transmitting error information from the error file to one of an associated imaging device administration program, a web server, a http address, a web address, and an email address.
15. (Currently Amended) A computer-usable medium having computer readable instructions stored thereon for execution by a processor to perform a method of error archiving for an imaging device comprising:
monitoring system operations of the imaging device; and
when an error is detected, compiling information about the error into an error file and storing it on a storage device for one or more of storage, transmission, retrieval, and disposal;
wherein the storage device is a computer-usable medium;
wherein the information for two or more errors is stored in the error file; and
wherein the information about each error stored by the processor on the storage device is selectable and includes two or more of a location where the error occurred, a type of error detected, a program address where the error occurred, contents of the file being processed when the error occurred, sequence of events that led up to the error, type of file being processed when the error occurred, size of the file being processed when the error occurred, a page number, an error code, and a stack trace.
16. (Currently Amended) The computer-usable medium of claim 15, wherein the method further comprises:
displaying user error information, wherein the user information includes one or more of the page number where the error occurred and the type of service error detected; and
storing administrator error information, wherein the administrator information includes two or more of the location where the error occurred, the type of error detected, and one or more of the program address where the error occurred, contents of the file being processed when the error occurred, sequence of events that led up to the error, type of file being processed when the error occurred, size of the file being processed when the error occurred, a page number, an error code, and a stack trace.

17. (Currently Amended) The computer-usable medium of claim 15, wherein the method further comprises:

outputting selected elements of the compiled error information by one of printing selected elements of the compiled error information, transmission of selected elements of the compiled error information to a user designated address, displaying selected elements of the compiled error information on a control panel, and displaying selected elements of the compiled error information through an embedded web server.

18. (Currently Amended) The computer-usable medium of claim 15, wherein the method further comprises:

sending administrator error information to one of an imaging device administrator program, the imaging device manufacturer, a service contract administrator, a system administrator, and an alternate storage location.

19. (Currently Amended) The computer-usable medium of claim 15 ~~claim 16~~, further comprising:

when the storage device is full, selecting an action from one or more of deleting the oldest error information and storing the new error information, sending a notification to one or more user designated addresses, and deleting error information once transmitted from the imaging device

~~wherein the user error information includes page number and type of service error; and~~

~~wherein the administrator error information includes the location where the error~~

~~occurred, the type of error detected, and one or more of the program address where~~

~~the error occurred, contents of the file being processed when the error occurred,~~

~~sequence of events that led up to the error, type of file being processed when the error~~

~~occurred, size of the file being processed when the error occurred, and a stack trace.~~

20. (Original) The computer-usable medium of claim 15, wherein the method further comprises:
performing error correction procedures based on the detected error.